

Unified Communications Center

The District of Columbia has contracted the construction of a state-of-the-art Unified Communication Center. The Center will take advantage of the consolidation of functions, personnel, equipment and systems, will provide cost benefits from consolidation, and will improve service delivery and public safety to District citizens. The UCC facility will consolidate the "command and control" functions of:

- Police
- Fire
- Emergency Medical Services
- Emergency Management Agency
- Public Services

Calls to 9-1-1, 3-1-1, and the District's customer service line will be received at the center and processed for appropriate action. During major emergencies, the center will become the District's Emergency Operations Center (Mayor's Command Center) and provide a central location for multiple agencies to address any variety of situations.

The 140,000 square foot facility is located on the east campus of St. Elizabeth's Hospital on 11.8 acres. It contains a call center, food service area, offices, conference spaces, and child care center. It has 72-hour self-sustaining capabilities in the event of an emergency or power loss.

M.C. Dean, Inc. is responsible for the installation of reliable, redundant power and telecommunication systems. The electrical work includes furnishing and installing all materials, equipment, and a complete wiring system for the electrical and special systems, including: power, control, signal, alarm, and data circuits. The wires and cables will be terminated in terminal boxes, control cabinets, and panel boards. M.C. Dean, Inc. will also furnish and install complete raceway systems, consisting of exposed conduits, cable trays, and duct bank conduits. The raceway will also include pull boxes and appropriate fittings, including explosion-proof fittings as required.

M.C. Dean, Inc. is also furnishing and installing an interior and exterior lighting system, with lighting control and luminaries; leak detection and emergency power off systems; lightning protection system; security system; fire alarm and lighting controls systems; and telecommunications and audiovisual systems.

The project is currently underway, installing temporary power systems during the construction of the building, via a 15kV feeder.

Turnstile Replacement for the United States Secret Service

- Contributed by Mark Fanelli

M. C. Dean, Inc. was tasked to provide engineering and installation services to remove and replace the existing turnstiles located in the main lobby of the United States Secret Service (USSS) Building. The current access control system (ACS) was to be integrated into the new turnstiles. Also, the new turnstile cabinet was required to match the existing turnstile cabinet "foot print," therefore, eliminating additional lobby core boring.



Aeroturn LLC was contracted to install and design the turnstiles. Installation was completed on October 7, successfully acceptance tested on October 8, and a product overview and operation training session conducted thereafter.

"The success of this project was due to the detailed site survey and customer interview, installation design plan, and strict adherence to the project implementation schedule. Thanks to all who participated," said Mark Fanelli, Project Manager.



An M.C. Dean, Inc. technician installs the turnstile at USSS.